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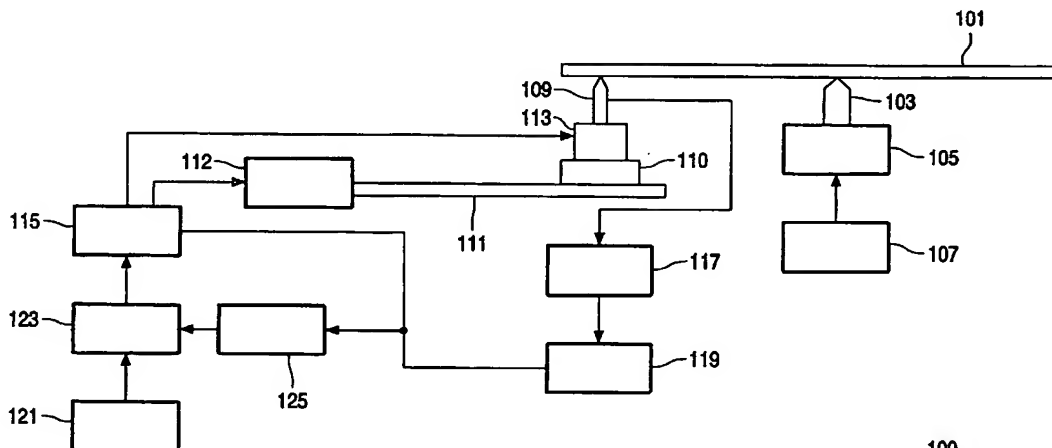
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(54) Title: A DISC DRIVE MECHANISM AND METHOD OF OPERATION THEREFOR



100

(57) Abstract: The invention relates to disc drive mechanism (100) which comprises an actuator (113) controlling a radial movement of a lens (109). An actuator controller (115) generates an actuator control signal which is fed to the actuator (113). An activation time processor (125) determines an amplitude variation characteristic of the actuator control signal. Specifically, the activation time processor (125) determines how the amplitude varies as a function of the rotation angle. The activation time processor (125) determines an activation time for a position change actuator signal component which causes the actuator (113) to move the lens (109) to jump to a different track. The position change actuator signal component is added to the actuator control signal in the actuator controller (115) thereby generating a combined actuator control signal which both tracks the disc and effectuates a jump. The activation time is selected such that the dynamic range of the actuator control signal is reduced.

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